

## Re: AD Site Criteria and DFS

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*Source:*

[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2006-08/msg03203](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2006-08/msg03203)

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- *From:* "Herb Martin" <[news@xxxxxxxxxxxxxxxx](mailto:news@xxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 30 Aug 2006 11:05:50 -0500
- 

"Alb5150" <[Alb5150@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Alb5150@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:BF98173B-F7E6-4CE6-83EC-4185011FDF70@xxxxxxxxxxxxxxxx](mailto:news:BF98173B-F7E6-4CE6-83EC-4185011FDF70@xxxxxxxxxxxxxxxx)

Correct there is no replication going on here. It's a total read/write cache that is file aware across the enterprise..meaning that if a file is in use on the remote cache appliance...no one else can use it. Also you can use an appliance that has a 100GB cache that is fronting a 500GB server. The only files in the remote site that get put in cache is the "Active" data set. You know how offices can have a 500gb server but about 50gb has been accessed in the last 90 days... we'll this is perfect for a cache box. The cache also manages itself, when it gets 95% full it purges the cache back down to 75% based on least recently used...again this purges the cache only not the data on the file server you're optimizing. Check it out..<http://www.packeteer.com/products/ishared/>

Sounds pretty cool. Right after we teach people about DFS, we usually have to warn them about trying to use this for "too much" and ending up swamping their WANS.

Thanks.

--

Herb Martin, MCSE, MVP  
Accelerated MCSE  
<http://www.LearnQuick.Com>  
[phone number on web site]

Al

"Herb Martin" wrote:

Re: AD Site Criteria and DFS

"Alb5150" <Alb5150@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
news:9E6D2DC2-84B6-4C02-A6A5-9367E445FC39@xxxxxxxxxxxxxxxxxxxx

Packeteer's IShared appliance is suited for CIFS over the WAN. You put a server appliance in the "datacenter" and a remote appliance in the branch office. The appliance runs windows and to the users in the branch it looks like a windows file server. The shares the users see are a real-time window into the datacenter file servers. There is an optimized tunnel that runs between the datacenter and branch appliances, that does streaming and compression and file aware differencing. So as users access files they see on the remote they get optimized accross the WAN then stored on a cached volume on the remote. The datacenter appliance places a lock on the original file on the file server while the user in the branch has it open. If a user makes a 100k change to a 3 meg word file, only the changes get sent across the wan and the original gets updated. The next access to that same file will be served up from local cache and the software will first checkk the datacenter and see if the cached copy is the locked and if it's the latest rev. If it's not locked and the original has changed..it'll send the deltas to the

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branch  
and serve it up to the user. It's cool cause you can forget  
about file  
servers and the hassles of backups in the branch. The  
authoritative  
copy  
is  
always on the datacenter file servers. It's truly "tight  
collaboration"  
unlike R2's "loose collaboration". Another cool thing is since  
that the  
appliance runs windows it can be a DC, DNS, DHCP and  
Print server all  
in  
one  
footprint. Yet another cool thing is that they sell  
software..which is  
what  
we bought...so I've deployed the WAFS solution on DELL  
1850's instead  
of  
an  
appliance.

Thanks — that is interesting.

Sorry for the long winded response...hope this helps...any  
more  
questions  
let me know...I'd be happy to answer.

Never need to apologize for a complete response since  
that is both how we learn AND anyone who doesn't care  
can just hit next or delete.

So (as I understand it) it looks and acts like DFS BUT it  
is much more optimized for file transfer and file locking,  
i.e., not dependent on the built-in FRS for the replication?

--

Herb Martin, MCSE, MVP  
Accelerated MCSE  
<http://www.LearnQuick.Com>  
[phone number on web site]

Re: AD Site Criteria and DFS

Al

"Anthony" wrote:

Just interested in how well it works, and  
what it is best for,  
Anthony

"Alb5150"

<Alb5150@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

[news:0A24FF34-4700-4AE4-8368-AA98F7C5D6FE@xxxxxxxxxxxxxxxxxxxx](mailto:news:0A24FF34-4700-4AE4-8368-AA98F7C5D6FE@xxxxxxxxxxxxxxxxxxxx)

No problems with the  
appliance do you have any  
questions about it?  
I've  
deployed many.

Alan

"Anthony" wrote:

I would be  
really  
interested to  
hear how  
you get on  
with that  
appliance,  
Anthony

"Alb5150"

<Alb5150@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in

message

[news:1BCF254B-6A9E-4921-8340-280DB974E66E@xxxxxxxxxxxx](mailto:news:1BCF254B-6A9E-4921-8340-280DB974E66E@xxxxxxxxxxxx)

Thanks  
for  
the  
reply.  
I  
understand  
the  
auth

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and  
dns  
issues.  
Trying  
to  
deploy  
a  
Tacit  
Networks/Packeteer  
IShared  
WAFS  
appliance  
in  
a  
remote  
site  
and  
want  
it  
to  
be  
the  
link  
target  
for  
the  
dfs  
namespace  
but  
we  
might  
not  
be  
able  
to  
put  
DC's  
in  
all  
sites.  
Was  
hoping  
that  
it  
wasn't  
a  
technical  
requirement..Thanks  
to  
all  
who

Re: AD Site Criteria and DFS

replied.

Alan

"Herb  
Martin"  
wrote:

"Alb5150"

<Alb5150@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote

in

message

[news:AFE31F8-0CA6-4852-BE34-400E922FE96](mailto:news:AFE31F8-0CA6-4852-BE34-400E922FE96)

Quick  
question  
about  
DFS  
site  
selection...

Can  
you  
create  
a  
site  
in  
AD,  
add  
subnets,  
links..etc  
but  
not  
have  
a  
domain  
controller  
in  
the  
site  
and  
have  
DFS  
site  
selection  
work?  
Trying  
to  
figure

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out  
if  
a  
DC  
is  
a  
requirement...

No,  
not  
a  
technical  
requirement  
but  
consider  
that  
if  
DFS  
is  
a  
domain  
resource  
and  
access  
to  
that  
resource  
is  
critical  
then  
DOMAIN  
AUTHENTICATION  
is  
also  
critical.

Chances  
are  
this  
will  
argue  
for  
a  
DC  
and  
a  
DNS  
server  
in  
that

Re: AD Site Criteria and DFS

site  
but  
you  
already  
have  
at  
least  
one  
server  
(the  
DFS)  
so  
it  
might  
not  
even  
cost  
you  
a  
machine.

And  
you  
authentication  
will  
be  
more  
efficient  
too.

Any  
info  
appreciated...thanks,

--  
Herb  
Martin,  
MCSE,  
MVP  
Accelerated  
MCSE  
<http://www.LearnQuick.Com>  
[phone  
number  
on  
web  
site]

Re: AD Site Criteria and DFS

AI